AEE/SSD/SBR69/15-16
AV-30-5-15

M. A. R. 57 (Rule 116)
Measurement Book

No. B 225301

Serial No. .....
Name of Work ...Drilling of 4 nos Borewell & fixing of pump motor and necessary accessories at Ravindranagara... From ...Kittannagara... To ...Mallasandra colony, CMTI, mint colony, in ward-13,
Name of Contractor of nature of Agency ...colony, Prashanthnagara different locations
Date of commencement of work ...in Shettihalli Sub-division... est. cost Rs. 50.00 lakhs

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	work order no :- CE/DD/WO/313/2013-14, Date :- 4/3/2014						
	Job Code no :- 013-14-000033						
	AA no :- JC/02/AA/107/13-14, Dt :- 19/07/2013						
	TS no :- CE/02/TS/14/13-14, Dt :- 22/11/2013.						
	Pcode :- 1802.						
	Name of the Contractor :- FRIDL						
	Date of Recording :- 30-5-15						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
1)	Geophysical investigation of site for sinking borewell for supplying drinking water to the habitation either through the hand pump, mws or P.W.S.S top vertical electrical sounding by adopting resistivity or schlumberger's method, including reconnaissance survey of geological formation, Geological investigation of existing ground water in vicinity, its quality, quantity & acceptability of the users indicating the locations of bore recommended depth of casing pipe required to seal the top unconsolidated formation including an extra depth of 10 mts in consolidated formation for proper seating of casing pipe, depth of drilling required to cover full depth of aquifer proposed to be tapped, potable yield and other information required including transportation of instruments and accessories to work etc., engaging technical personal and labour required etc, complete as per specification						
	Locations :- 1) Anjaneyaswamy temple backside, Rly side 2) Coombridge school near Kswath kattle 5th cross, 3) BHEL mini colony 3rd cross road, 4) Vishala public school road 3rd crossroad 5) Zeed office opposite, 6) Vekhangi temple 7) BHEL mini colony, Vekhangi bous road 3rd cross.					@ Rs. 1938.46 TMB page no:- 225361/1	7.00 Nos ⇒ 13,569.00

M. A. R. 57 (Rule 116)
Measurement Book

No. B

225302

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
a)	Sinking of bore well of 165 mm dia clear using super fast hydraulic rig of capacity 250 PSIG & above 300 cmt & above in all strata including over burden upto 20 m fixing of casing pipes, collars & also some necessary cutting, welding & soldering including transportation of rig and supporting vehicle, Crew charges & cost of consumables etc, complete including yeild testing at the final depth with minimum 1 battery of compressor for one hour (excluding cost of casing pipes, collars, cap etc, complete as per specifications.						
	At Viswakarma temple back side						
	0.00 to 50.00 mts			Qty	vide	50.00	
					@ Rs.	315.18	→ 15,759.00
Present Lower Cost	50.00 to 100.00 mts			Qty	vide	50.00	
					@ Rs.	412.00	→ 20,600.00
	TMB page no : 225361/1 to 225362/2						
	225394/1 to 225397/1						

MEASUREMENT BOOK

Date									
1									

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurem
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	100.00 to 150.00 mtr			Qty	vide	50.00	mtr
					@ Rs.	458.35	→ 22,918
	150.00 to 200.00 mtr			Qty	vide	50.00	mtr
					@ Rs.	184.10	→ 24,205
Present by Engl	200.00 to 250.00 mtr			Qty	vide	50.00	mtr
					@ Rs.	560.32	→ 28,016
	250.00 to 300.00 mtr			Qty	vide	50.00	mtr
					@ Rs.	600.49	→ 30,025
	Tambaliya School near Athwalkatte 5th cross road						
	0.00 to 50.00 mtr			Qty	vide	50.00	mtr
					@ Rs.	315.18	→ 15,759
	50.00 to 100.00 mtr			Qty	vide	50.00	mtr
					@ Rs.	412.00	→ 20,600

M. A. R. 57 (Rule 116)
Measurement Book

No. B

225303

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	100.00 to 150.00 mts			Qty	vide	50.00	mts
					@ Rs.	458.35	⇒ 22,918.00
	150.00 to 200.00 mts			Qty	vide	50.00	mts
					@ Rs.	484.10	⇒ 24,205.00
	200.00 to 250.00 mts			Qty	vide	50.00	mts
					@ Rs.	560.32	⇒ 28,016.00
	250.00 to 300.00 mts			Qty	vide	40.00	mts
					@ Rs.	600.49	⇒ 24,020.00
	BHEL mini colony 3rd cross road			Qty	vide	50.00	mts
	0.00 to 50.00 mts				@ Rs.	315.18	⇒ 15,759.00

Present Rate Rs @

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
						Rs.	29,37,479-00
36)	Add + 10 % KRIDL charges + 1 % cess charges						3,23,156-00
37)	Water Quality testing charges						
		4				4.00	
					City wide	4.00,	
					@ Rs.	1200.00	⇒ 4800-00
38)	Borewell registration charges to ZWSSB						
		7				7.00	
					@ Rs.	1000-00	→ 7000-00
		Bill Amount Rs.					32,72,735-00

Chapa PC

Ajmal 30/5/15

Abdul Rahman AE 30-5-15

M. A. R. 57 (Rule 116)
Measurement Book

No. B 225315

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	certificate: 1) The Contractor has done the work satisfactorily. 2) The Contractor has removed the debris from the workspot. ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು ಲೆಫ್ಟಿಜಿಕ್ಟ್ ಉಪವಿಭಾಗ, ಬಾಡಲಪಳ್ಳಿ ಮಾಲು ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ ಎಸ್.ಎಂ ರಸ್ತೆ, ವಿಜಯನಗರ, ಬೆಂಗಳೂರು						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
		1	1·00	3·00		3·00	
		1	2·30	1·50		3·45	
		1	1·40	5·20		7·28	
		1	1·60	1·50		2·40	
		1	2·70	4·10		11·07	
		1	1·30	7·00		9·10	
		1	2·30	4·60		10·58	
		1	1·10	1·20		1·32	
		1	1·70	1·20		2·04	
		1	1·30	4·90		6·37	
		1	2·20	1·80		3·96	
		1	1·40	3·00		4·20	
		1	1·90	7·00		13·30	
		1	2·00	1·70		3·40	
		1	3·00	1·00		3·00	
		1	2·20	1·90		4·18	
		1	2·40	0·90		2·16	
		1	2·20	0·70		1·54	
		1	1·00	0·50		0·50	
		1	4·30	1·50		6·45	
		1	13·30	1·30		17·29	

M. A. R. 57 (Rule 116)
Measurement Book

No. B 225390

No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
	Number	Length	Breadth	Depth		
2	3	4	5	6	7	8
	1	1.50	1.20		1.80	
	1	4.80	1.40		6.72	
	1	4.20	1.30		5.46	
	1	1.00	1.30		1.30	
	1	4.50	1.20		5.40	
	1	2.30	0.80		1.84	
	1	0.90	1.10		0.99	
	1	2.10	1.10		2.31	
	1	1.70	1.20		2.04	
	1	12.00	1.30		15.60	
	1	1.10	0.90		0.99	
	1	2.20	1.20		2.64	
	1	1.70	2.50		4.25	
	1	1.80	0.90		1.62	
	1	1.90	2.50		4.75	
	1	1.10	1.70		1.87	
	1	6.00	0.80		4.80	

R
22(6)

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
		1	8.50	3.00		7.50	
		1	3.00	1.20		3.60	
		1	1.80	1.20		2.16	
		1	4.80	0.70		3.36	
		1	1.90	0.80		1.52	
		1	3.00	1.10		3.30	
		1	2.50	1.70		4.25	
		1	2.30	2.60		5.98	
		1	11.60	1.00		11.60	
		1	3.00	1.00		3.00	
		1	1.80	2.50		4.50	
		1	4.00	1.30		5.20	
		1	2.20	1.60		3.52	
		1	0.90	1.00		0.90	
		1	0.90	1.00		0.90	
		1	2.40	0.90		2.16	
		1	1.50	1.40		2.10	
		1	2.40	1.80		4.32	
		1	2.60	1.90		4.94	
		1	4.10	2.30		9.43	
		1	2.30	0.90		2.07	
		1	1.10	3.00		3.30	

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From..... To.....

...tion of nature of Agency .....

...cement of work .....

Description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
	Number 3	Length 4	Breadth 5	Depth 6		
	1	4·50	2·70		12·15	
	1	3·60	4·50		16·20	
	1	1·50	1·30		1·95	
	1	1·40	1·10		1·54	
	1	3·40	1·30		4·42	
	1	3·20	1·10		3·52	
	1	6·00	1·60		9·60	
	1	2·00	1·50		3·00	
	1	8·20	1·20		9·84	
	1	1·90	1·10		2·09	
	1	5·90	1·30		10·62	
	1	4·00	2·50		10·00	
	1	1·40	1·60		2·24	
	1	3·10	2·10		6·51	
	1	3·40	2·60		8·84	
	1	9·50	2·10		19·95	
	1	10·00	1·40		14·00	
	1	1·70	0·80		1·36	

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
9)	Providing & fixing socket	9 I	(heavy	duty	collar)		
		1 =	41·00		@	41·00	nos
10)	supplying and drawing 3 core PVC sheathed				Submersible pump Cable		
		1 =	540·00			540·00	mtr
3)	Supplying of ISI mark 175 mm nominal bore C.I. Casing pipe						
	Qty vide of TMB/225394	58 =					
	" /pg: 394/2	55 =					
	" /pg÷395/1	60 =					
	" /pg÷395/2	55 =					
	" /pg÷396/1	50 =					
	" /pg÷396/2	65 =					
	" /pg÷397/1	55 =					
		398	mtr				
6)	ms casing pipe collars						
	Qty vide of TMB pg: 394/1	11 =					
	394/2	11 =					

M. A. R. 57 (Rule 116)
Measurement Book

No. B 225399

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Qty TMB Pg :- 395/1	12 -					
	—"— 395/2	11 -					
	Qty vide TMB Pg :- 396/1	10 -					
	—"— 396/2	12 -					
	—"— 397/2	10 -					
		77	nos				
8)	Providing, laying & jointing GI pipes conforming to IS						
	Qty vide TMB Pg :- 397/2	270 -					
	—"— 397/2	270 -					
	—"— 398/1	270 -					
	—"— 398/1	270 -					
		1080	mtr.				

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
9)	Providing fixing GI collars						
	Qty vide TMO pg ÷ 397/2	39					
	" "	43					
	" " 398/1	46					
	" " 398/2	41					
		169	nos				
10)	Providing, drawing 3 cor PVC ~~pipe~~ cable						
	Qty vide TMO pg ÷ 397/2	540					
	" " 398/1	540					
	" " 398/1	540					
	" " 398/2	540					
		2160	mts				
31)	Earthwork excavation for foundation of buildings, water supply,						
		4	65.00	0.60	0.90	140.40	cum
				Qty vide		140.40	

24-7-12, DE